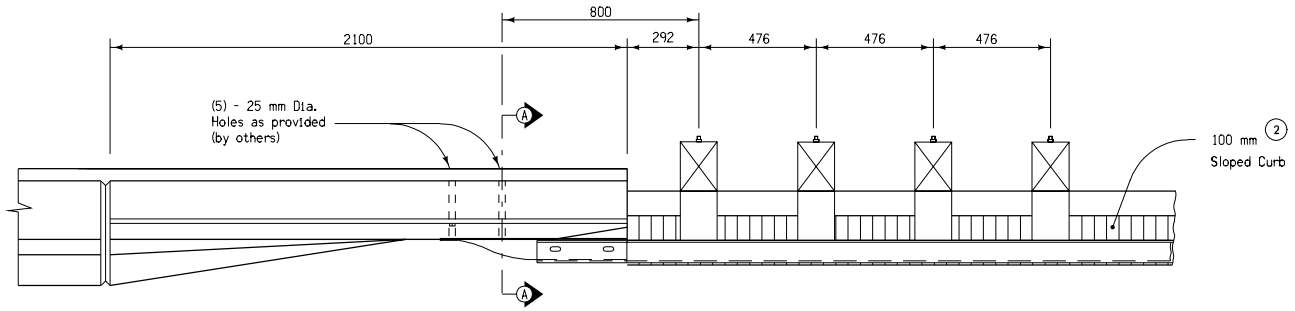
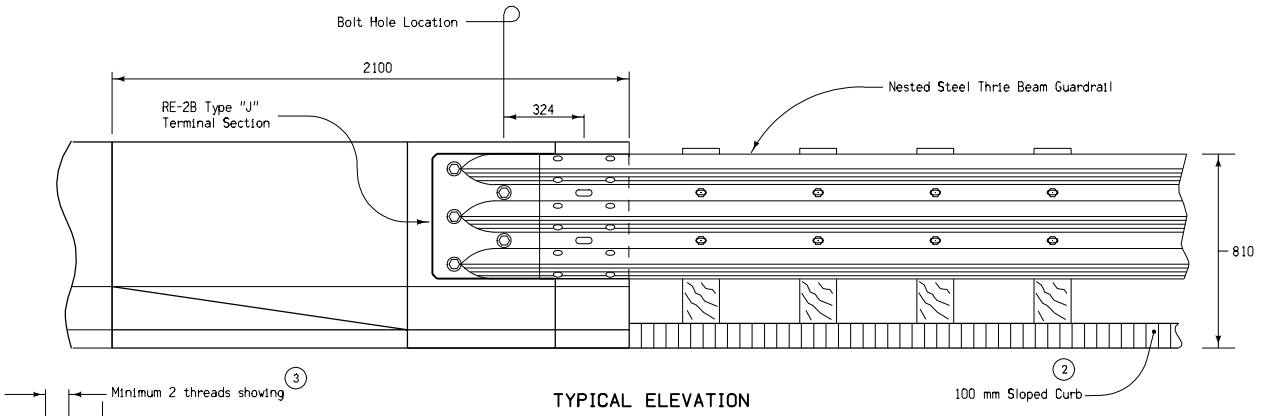
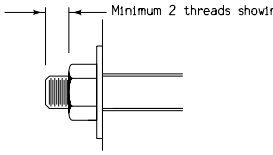


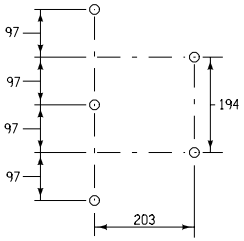
TYPICAL PLAN



TYPICAL ELEVATION

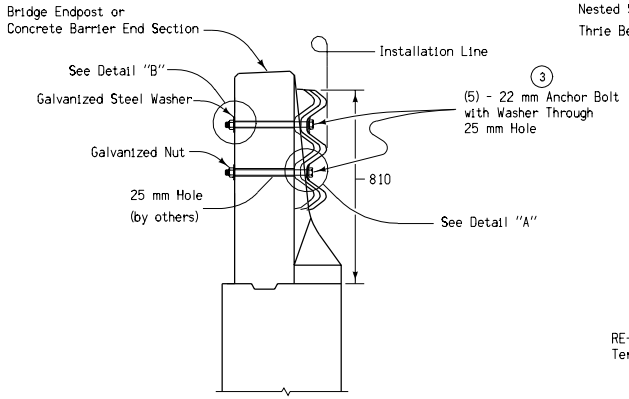


DETAIL "B"

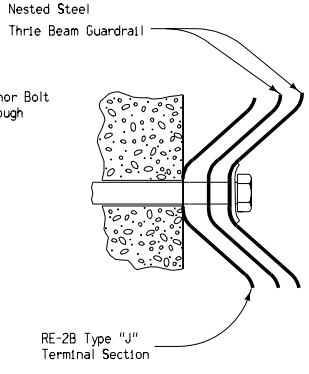


Bolt Pattern

For RE-2B Type "J" Terminal Section



SECTION A-A



DETAIL "A"

GENERAL NOTES:

This plan illustrates the method of attaching thrie beam guardrail to a bridge endpost or concrete barrier.

Horizontal and vertical alignment of the guardrail in the area immediately adjacent to the connection shall be adjusted to a smoothly curved line with no abrupt changes.

The anchor bolts shall conform to requirements of ASTM F 1554M, Grade 55, threaded full length, and be galvanized. Threads may be chased after galvanizing. Washers shall conform to requirements of ASTM F 436M and be galvanized. Nuts shall conform to requirements of ASTM A 563M DH and be galvanized. These materials shall be galvanized in compliance with ASTM A 153M, Class C.

The price bid for "Guardrail, End Anchorage, Beam, RE-69," each, shall be considered full compensation for furnishing all materials listed below and the construction of the end anchorage as detailed hereon.

LIST OF MATERIALS FOR THE RE-69A END ANCHORAGE:

(1) RE-2B Type "J" Terminal Section.
(5) Approved 22 mm x sufficient length H.S. Hex Bolts.
(5) Approved 22 mm H.S. Hex Nuts.
(10) Approved Plain Washers, 24 mm, regular.

(1) For attachments on the trailing end of a one-way bridge, the Type "J" Terminal Connector should be lapped on the outside of the nested thrie beam rails.

(2) See applicable Bridge Approach Section standards for specific requirements.

(3) 22 mm anchor bolts shall be of sufficient length to leave a minimum of 2 thread widths outside of the nut.

All dimensions given in millimeters unless noted.

For additional information see Standard Road Plan RE-2B.

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN RE-69A

REVISION: Changed mounting height to 810.	REVISION NO.
	4
William J. Stein	REVISION DATE
APPROVED BY DESIGN METHODS ENGINEER	10-29-02

GUARDRAIL INSTALLATION CONNECTION TO BRIDGE ENDPOST OR CONCRETE BARRIER